

UNDERGROUND STORAGE TANK REMOVAL  
AT WALKER-TURNER PROPERTY  
BLOOMFIELD AVENUE AND LAKELAND ROAD  
SANTA FE SPRINGS, CALIFORNIA

Los Angeles County  
Department of Public Works  
File Number I-6657-1H  
Closure Permit Number 6680 B

Submitted to:

Turner Development Corporation  
Newport Beach, California

TRC Project Number 7014-N23-00

April 6, 1990

**TRC**  

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***Environmental  
Consultants, Inc.***

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Suite 100  
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(714) 581-6860  
A **TRC** Company

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April 6, 1990

Ms. Susan Drummy  
Turner Development Corporation  
1200 Quail Street, Suite 160  
Newport Beach, CA 92660

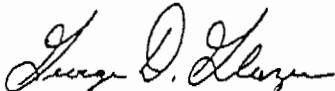
RE: Underground Storage Tank Removal and Soils Investigation at Walker-Turner Property  
Bloomfield Avenue and Lakeland Road, Santa Fe Springs, California  
TRC Project Number 7014-N23-00

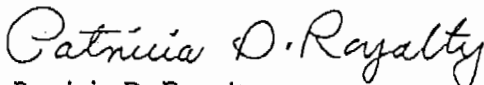
Dear Susan:

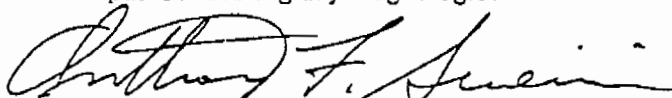
TRC Environmental Consultants, Inc. is pleased to present this report on the above referenced study for your review. If you have any questions or require further clarification, please contact us.

Sincerely,

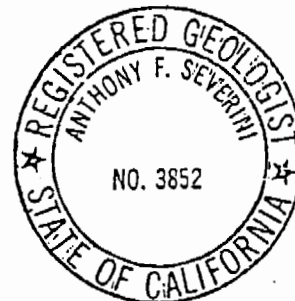
*TRC ENVIRONMENTAL CONSULTANTS, INC.*

  
George D. Glazer  
Project Hydrogeologist

  
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Principal Consulting Hydrogeologist

  
Anthony F. Severini, R.G.  
Vice President and Manager  
Hazardous Waste Services

CC: Rusty Turner, Turner Development Corporation



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## 1.0 INTRODUCTION

On January 23, 1990, Turner Development Corporation retained TRC Environmental Consultants, Inc. (TRC) to observe the removal of four underground storage tanks (USTs) at the Walker-Turner property located at the southeastern corner of Bloomfield Avenue and Lakeland Road, Santa Fe Springs, California (Figures 1 and 2). This report has been prepared to satisfy the permanent closure requirements for USTs previously storing hazardous materials on the property as defined in the permit issued by the Los Angeles County Department of Public Works, Waste Management Division. In addition, this report summarizes the results of the removal of a UST from the subject property performed by L. Blain Company and observed by Dames & Moore in 1986.

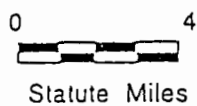
The subject property is currently owned by Mr. George Walker and is in an escrow account for sale to Turner Development Corporation. The site is currently listed on the "California Department of Health Services Expenditure Plan for the Hazardous Waste Cleanup Bond Act of 1984" (CDHS Expenditure Plan). The CDHS Expenditure Plan identifies the site as being on the State Superfund Site Backlog. TRC is conducting an ongoing environmental assessment of the subject property and preparing a Preliminary Endangerment Assessment (PEA) report for the California Department of Health Services (CDHS) who will be providing clean-up oversight. It is anticipated that this PEA will be followed by a Remedial Action Plan (RAP) for the site.

Previous site investigations revealed that four USTs were present on the subject property. These included one 3,000-gallon, one 4,000-gallon, one 6,000-gallon, and one 10,000-gallon storage tanks. All four tanks had been taken out of service in the past. The locations of these tanks on the subject property are shown on Figure 3.

During a geophysical survey of the subject property, it was determined that the 10,000-gallon tank was completely full of an apparent mixture of water and gasoline fuel. The 3,000-gallon tank appeared to contain a small amount of degraded fuel product. The remaining two tanks were empty.

The excavation and removal of the tanks was performed by Mayfield Enterprises, Inc. under direct contract with Turner Development Corporation. TRC observed the tank removals and collected soil samples from beneath the tanks on February 1, 1990. The soil sampling was performed

by Project Hydrogeologist George Dean Glazer. Principal Consulting Hydrogeologist Patricia D. Royalty provided report review and overall management of this project. Final approval of the work and this report was provided by Anthony F. Severini, R.G., Vice President and Manager of Hazardous Waste Services. The following is a summary of our findings.



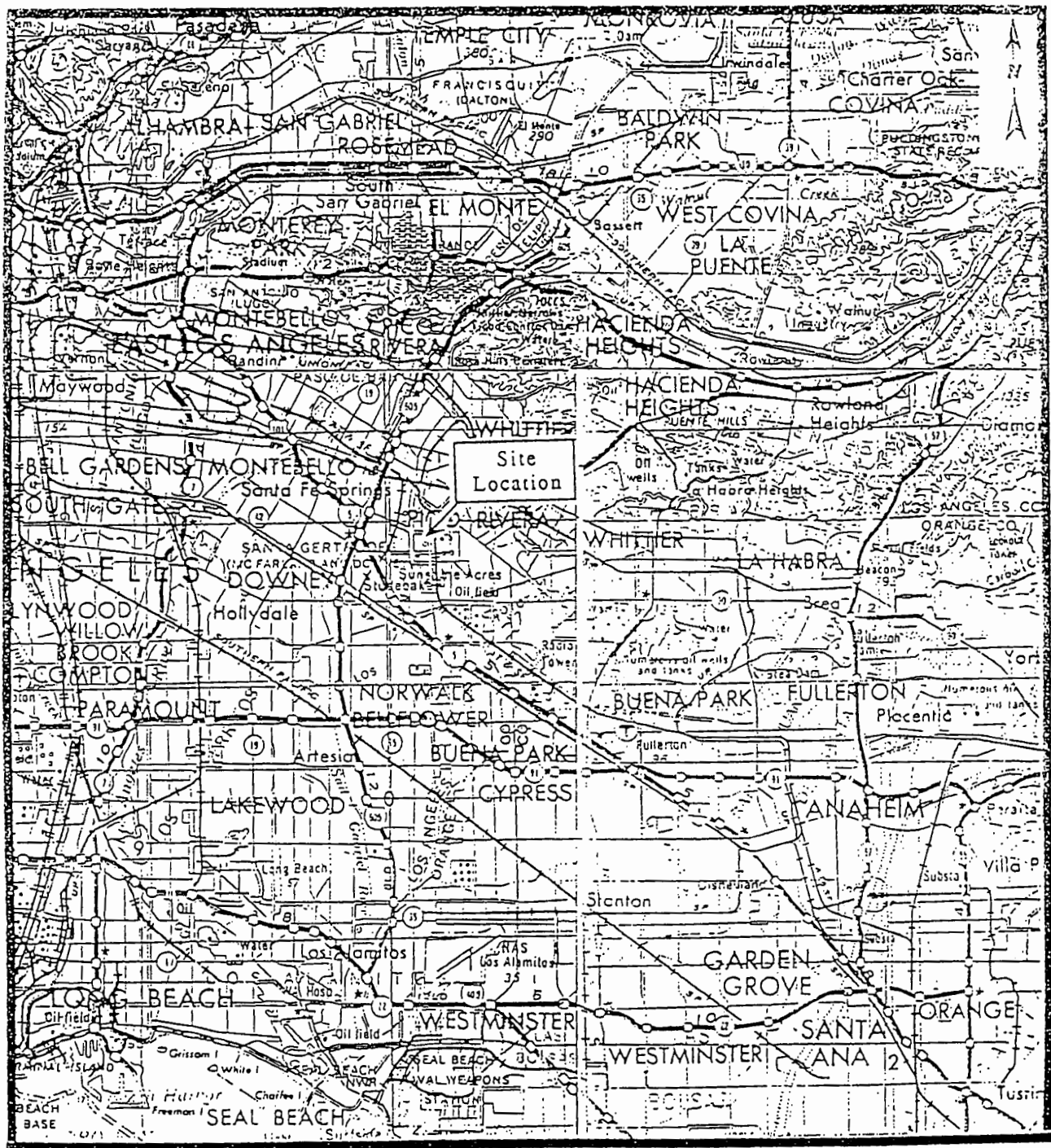
USGS 1:250,000 SCALE  
NAME TOPOGRAPHIC MAP

#### REGIONAL SITE LOCATION

WALKER-TURNER PROPERTY  
SANTA FE SPRINGS, CALIFORNIA

7014-N23

FIGURE 1



0 1/2



Statute Miles

# SITE LOCATION

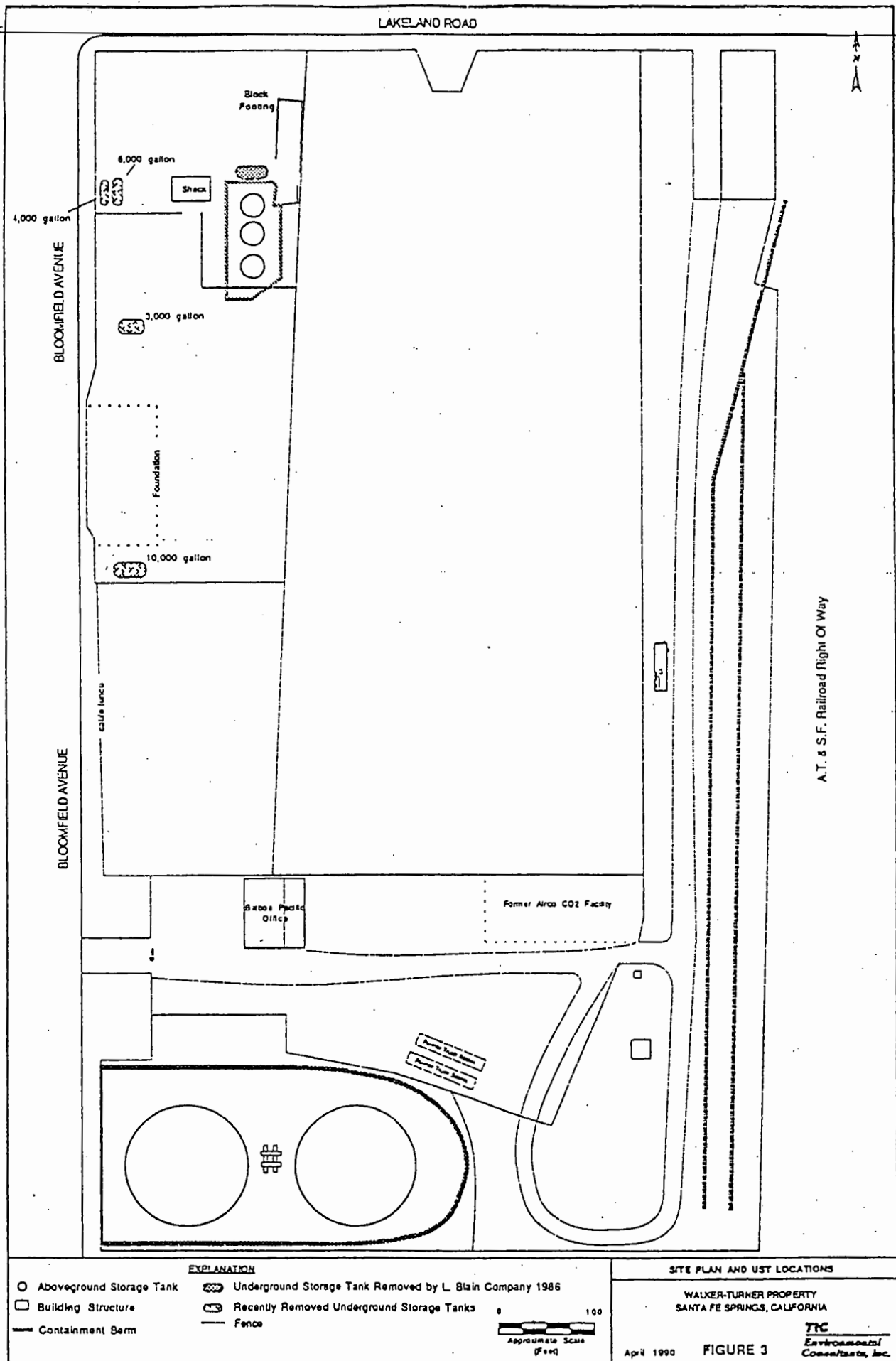
WALKER-TURNER PROPERTY  
SANTA FE SPRINGS, CALIFORNIA

USGS 1:24,000 SCALE  
NAME QUADRANGLE TOPOGRAPHIC MAP

7014-N23

FIGURE 2





## 2.0 HISTORICAL INVESTIGATIONS

Prior to TRC's involvement in the investigations on the subject property, a UST was removed from the subject property by L. Blain Company a soils investigation was performed by Dames & Moore. A portion of the report relevant to the UST removal prepared by Dames & Moore is included in Appendix A. The report indicates that the tank was apparently structurally sound at the time of removal. Evidence of leakage was noted in the immediate vicinity of the fillport connections on top of the tank. Four soil samples were taken from the excavation and analyzed for California Administrative Manual (CAM) metals and polychlorinated biphenyls (PCBs) by a California certified laboratory. Results indicated the presence of elevated levels of several metals as well as the presence of PCBs (Appendix A).

In October 1989, TRC conducted a soils investigation which included several soil borings in the vicinity of the previously removed UST. The presence of PCBs was found to extend beyond the area of this UST (Figure 4).

In November 1989, TRC performed additional investigations on the subject property. These investigations included soil borings adjacent to the known USTs. Additionally, a geophysical survey of the subject property was performed resulting in several areas of magnetic anomalies. These anomalies were explored by trenching with a backhoe. One of these anomalies was a previously unknown 3,000-gallon UST.

Three soil borings were drilled adjacent to the 4,000-gallon and 6,000-gallon UST group on the northwestern corner of the subject property (Figure 4). These borings are identified as TSB-1, TSB-2, and W-1 (TSB-3). The borings were drilled to depths between 20 to 129 feet with a CME-55 drilling rig using a 6-inch hollow-stem auger. Soil samples were collected at 5 foot intervals by driving a modified California split-spoon sampler equipped with clean brass rings ahead of the auger bit. One sample ring was sealed, capped, labeled, double bagged in plastic bags, and placed on ice for transportation to Del Mar Analytical, a California certified laboratory in Irvine, California. Samples were extracted from a second ring and placed in plastic bags for field screening with a HNu photoionization device (PID) for determination of which samples would be analyzed by the laboratory.

*this pertains  
to the UST  
closed on  
Discovery*

Field readings on samples from TSB-1 and TSB-2 did not indicate the presence of detectable hydrocarbon contamination. Field readings from W-1 (TSB-3) indicated possible contamination at a depth of 20 to 40 feet. The 20 foot sample was analyzed for total petroleum hydrocarbons (TPH) using EPA method 418.1. No levels of TPH were found above the detection limit. The 35 foot sample was analyzed for TPH in the diesel fuel range using EPA method 8015 (modified). No levels of TPH were found above the detection limit.

Groundwater was encountered at a depth of 121 feet below ground level during the drilling of TSB-3. Soil boring TSB-3 was completed as a groundwater monitoring well (W-1). Depth to groundwater was subsequently measured to be 105 feet below ground surface.

Two soil borings were drilled adjacent to the 10,000-gallon UST (Figure 4). These borings are identified as TMB-3 at the west end of the tank and TSB-6 at the east end of the tank. Both borings were drilled to a depth of 30 feet using the above describe procedures.

Field readings on samples from TMB-3 and TSB-6 indicated potential hydrocarbon contamination. Samples from TMB-3 at depths of 10 and 30 feet were analyzed for TPH in the gasoline range using EPA method 8015 (modified). The 10 foot sample was found to contain 2,200 mg/Kg of TPH and the 30 foot sample had 3.3 mg/Kg of TPH. Samples from TSB-6 at depths of 10 and 30 feet were analyzed for TPH in the gasoline range with benzene, toluene, ethylbenzene and xylene (BTEX) distinction using EPA methods 8015 (modified) and 8020. The 10 foot sample was found to have 0.14 mg/Kg of benzene, 4.4 mg/Kg toluene, 22 mg/Kg ethylbenzene, 120 mg/Kg xylenes, and 1,800 mg/Kg TPH. The 30 foot sample did not contain any of the constituents tested for above the detection limits.

Soil samples collected during the trenching operations were placed in clean glass sample jars, sealed, labeled, double bagged in plastic bags, and placed on ice for transportation to the laboratory. The sample collected at the western end of the exposed 3,000-gallon UST (Figure 4) at a depth of 7 feet below ground surface was analyzed for TPH with BTEX distinction using EPA methods 8015 (modified) and 8020. This sample was found to have 0.08 mg/Kg ethylbenzene and 0.10 mg/kg xylenes. No levels of benzene, toluene, or TPH were found above the detection limits.

A soil boring was drilled at the western end of the 3,000-gallon UST to a depth of 30 feet using the previously described procedures. This boring is identified as TMB-1 on Figure 4. Field readings with the PID did not indicate the presence of any detectable hydrocarbon contamination in the samples. The sample from a depth of 20 feet was analyzed for TPH in the diesel fuel and gasoline ranges using EPA method 8015 (modified). No levels of TPH were found above the detection limits.

All soil samples collected during these investigation were transported to Del Mar Analytical using standard chain-of-custody procedures. Copies of the chain-of-custody, laboratory analyses, and borehole logs for the above described investigations are included in Appendix B.

In summary, hydrocarbon contaminated soil was identified in the area of the 10,000-gallon UST to an approximate depth of 30 feet. A small amount of localized hydrocarbon soil contamination was also found around the western end of the 3,000-gallon UST. No hydrocarbon soil contamination was observed around the 4,000-gallon and 6,000-gallon USTs.

BLOOMFIELD AVENUE

TSB-1  
1 A 2 A  
W-1  
(aka TSB-3)  
1 B 2 B  
TSB-2

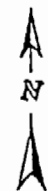
Shack

Block  
Footing

3 A 3 B  
TMB-1

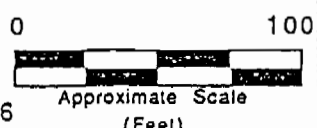
Foundation

4 A 4 B  
TMB-3 TSB-6



EXPLANATION

- Aboveground Storage Tank
- ▲ Trench Sample
- Grab Sample
- ⊙ Borehole Location
- ▨ Recently Removed UST
- ▩ UST Removed by L. Blain Company 1986
- Fence
- ▨ Containment Berm



BOREHOLE AND SAMPLING LOCATIONS

WALKER-TURNER PROPERTY  
SANTA FE SPRINGS, CALIFORNIA

**TRC**  
Environmental  
Consultants, Inc.

7014-N23 FIGURE 4

## 2.0 TANK EXCAVATION, REMOVAL, AND SOIL SAMPLING

On January 31, 1990, Mayfield Enterprises, Inc. began removal of the top soil from the four tanks and uncovered associated plumbing connected to the tanks. Mayfield Enterprises obtained permits to excavate and remove the tanks from the Los Angeles County Department of Public Works, Waste Management Division and the City of Santa Fe Springs Fire Department. The tank removals were performed in accordance with existing regulations of the State of California, City of Santa Fe Springs, and National Fire Prevention Code. Copies of all permits obtained by Mayfield Enterprises for the tank removals are included in Appendix C.

On February 1, 1990, TRC personnel were present on site for the removal of the USTs. Top soil had been stockpiled next to the excavations. Soils removed from the excavation around the 10,000-gallon UST had been covered with plastic sheeting. Approximately 1,400 gallons of liquid had been pumped from the 10,000-gallon UST into a tank truck for transportation by Crosby & Overton to Gibson Oil and Refining Company in Bakersfield, California. The remaining liquids (approximately 8,500 gallons) were pumped into tank trucks and transported by Crosby & Overton to De Menno Kerdoon in Compton, California for recycling. G. V. Adams Inc. Environmental Services of Torrance California triple rinsed each tank with water. The rinseate was pumped into tank trucks and transported by Crosby & Overton to De Menno Kerdoon for recycling. Copies of manifests for these liquids are included in Appendix D. The original manifests were forwarded by TRC to the California Department of Health Services on behalf of the property owner. A copy of this transmittal letter is also included in Appendix D. After the liquids had been removed from the tanks, dry ice was placed inside each tank. According to Mr. Jim Mayfield of Mayfield Enterprises, approximately 15 pounds of dry ice per 1,000-gallon capacity had been added to each tank. This application of dry ice was repeated two more times.

The tanks were removed from the site by J. D. Brodine & Son Inc. using a crane to lift them onto flatbed trucks. The four tanks were all of steel construction and were found to be in good condition upon removal. No obvious holes or leaks were noted in the tanks. The tanks were transported by J. D. Brodine & Son, Inc. to their facility in Fontana, California where they were cut up for scrap. A copy of the certification of tank disposal is included in Appendix D.

Present during the removal were Inspector Fred Nikitin of the City of Santa Fe Springs Fire Department, Mr. Jim Mayfield of Mayfield Enterprises, and TRC personnel. Mr. Nikitin inspected the tanks and approved that they were vapor free in accordance with City of Santa Fe Springs Fire Department requirements. The tanks were inspected for explosive atmosphere using a Bacract TLV catalytic vapor analyzer.

After the tanks were removed from the excavations, soil samples were collected from beneath the tanks at depths of approximately 1 to 2 feet. The locations of the eight samples are shown on Figure 4. Soil samples 1A, 1B, 2A, and 2B were retrieved from the base of a clam-shell bucket. Soil samples 3A, 3B, 4A, and 4B were retrieved from the bucket of a backhoe. The samples were placed in clean glass jars, capped, sealed, labeled, double bagged in plastic bags, and placed on ice for transportation to the laboratory for analysis. The soils from beneath the tanks in the buckets were also monitored using an OVM PID during and after the tank removals. PID readings of 20 to 25 parts per million (ppm) were recorded on soil retrieved from location 4B. No PID readings were observed at the remaining sampling locations.

The samples collected from beneath the four tanks were transported to Del Mar Analytical using standard chain-of-custody procedures. The samples were analyzed for TPH in the diesel fuel and gasoline ranges with BTEX distinction using EPA methods 8015 (modified) and 8020. Only sample 4B below the 10,000-gallon UST had levels of contaminants tested for above the detection limits. This sample was found to have 0.38 mg/Kg benzene, 0.55 mg/Kg toluene, 0.77 mg/Kg ethylbenzene, 3.2 mg/Kg xylenes, and 24 mg/Kg TPH. Laboratory results and accompanying chain-of-custody documentation are included in Appendix E.

Visual observations of the excavations revealed staining below the 10,000-gallon UST (Tank 4). No obvious staining was observed in the remaining excavations. The stockpiles of excavated soils were used to back-fill the open excavations.

### 3.0 SUMMARY AND CONCLUSIONS

TRC observed the removal of four USTs and performed a soils investigation on the Walker-Turner property located at the southeastern corner of Bloomfield Avenue and Lakeland Road in Santa Fe Springs, California on February 1, 1990. The excavated tanks appeared to be in good condition. Contaminated soils were identified around the 10,000-gallon UST in past investigations and confirmed by soil samples recovered from beneath the tank. No other areas of contamination were observed during this investigation.

TRC is presently providing environmental consulting services to Turner Development Corporation on the subject property. The work performed is overseen by the California Department of Health Services (CDHS). Current plans are for the contaminated soils on the subject property which include those around the 10,000-gallon UST to be excavated and bioremediated on-site under the oversight of the CDHS. The PCB contaminated soils will be excavated and hauled to an approved disposal facility. TRC requests that the Los Angeles Department of Public Works grant closure of all the USTs with the understanding that the CDHS will oversee the excavation and/or remediation of contaminated soils.



APPENDIX A  
Dames & Moore Report



October 16, 1986

Redevelopment Agency  
City of Santa Fe Springs  
11710 Telegraph Road  
- Santa Fe Springs, California 90670

Attention: Richard H. Weaver  
Director, Redevelopment Agency

Report  
Site Assessment Recommendations  
Walker Properties Site  
Santa Fe Springs, California

#### INTRODUCTION

Presented in this report are our recommendations regarding the scope of additional site assessment studies to be conducted at the Walker Properties site at 11020 Bloomfield Road, Santa Fe Springs, California. This report includes the results of our observations of the removal of an underground tank by L. Blain Co. and a soil sampling program conducted in the excavation following tank removal. The general site area is shown on Figure 1. Dames & Moore has previously conducted several projects at the subject site (see our Subsurface Investigation Report, dated July 1, 1985, and our Draft Action Plan, dated November 27, 1985).

The removal of the underground tank by L. Blain Company was observed by Dames & Moore to ensure compliance with Dames & Moore's Draft Action Plan, L. Blain's written plan of action and applicable environmental regulations. The

soil samples were collected to evaluate whether soil contamination exists in the floor and walls of the excavation from which the underground tank was removed. A detail of the underground tank excavation showing the soil sample locations is presented in Figure 2. Other areas of concern on the Walker Properties site discussed in this report include the two large above-ground tanks in the southern portion of the site and the small above-ground tanks present in the vicinity of the underground tank area (Figures 1 and 2).

### PURPOSE AND SCOPE

The purpose of the current investigation is to: (1) ensure that the tank removal procedure was conducted according to our Draft Action Plan, L. Blain Company's plan of action and in compliance with applicable environmental regulations; (2) collect soil samples from the floor and walls of the existing excavation to determine whether potentially hazardous compounds, heavy metals and polychlorinated biphenyls (PCBs) are present in the soils surrounding the existing excavation; and, (3) provide additional site assessment recommendations for the two large above ground tanks area and the small above ground tanks areas as well as the underground tank excavation. The scope of the investigative activities completed to date includes observation of the tank removal, collection of four soil samples, analysis of the samples for California Administrative Manual (CAM) metals (using EPA approved ICAP method) and PCBs (using EPA method 8080), interpretation of the analytical results, and formulating recommendations for additional site investigations and remediation. The results and conclusions of our completed studies are discussed below followed by our recommendations for further sampling, analysis and remediation.

### INVESTIGATIVE METHODS

#### Underground Tank Removal

On September 18, 1986, a Dames & Moore geologist was onsite at the Walker Properties site and observed the underground tank removal procedure. Representatives of the City of Santa Fe Springs Fire Department and the Los Angeles County Department of Public Works were also present. The soils overlying and adjacent to the sides of the tank had previously been removed by L. Blain

if any, from the sample 3 area. The samples were collected with pre-cleaned stainless steel scoops and placed in pre-cleaned wide mouth glass jars equipped with Teflon-lined lids. After closure, the sample jars were sealed with chain of custody seals and electrical tape. Labels attached to each sample jar included the following information: (1) sample number; (2) date and time of collection; (3) collector's name; (4) owner; and (5) location. The samples containers were stored in an ice chest cooled with blue ice pending delivery to the analytical laboratory. Completed chain of custody forms accompanied the samples which were hand delivered to the analytical laboratory.

#### Analytical Testing Program

The soil samples were analyzed by International Technology Corporation Analytical Services Laboratory in Cerritos, California (IT). The samples were analyzed for CAM metals using an EPA-approved ICAP methodology, and for PCBs using EPA Method 8080 which includes gas chromatography with electron capture detection (GC-ECD). Quality control was maintained throughout laboratory analytical procedures. The results of this analysis are summarized in Table 1 and presented in Appendix A. The IT laboratory is State of California Department of Health Services-approved and EPA-accredited to perform these procedures.

### RESULTS AND CONCLUSIONS

#### Investigative Results

The results of the laboratory analyses of the soil samples (Table 1 and Appendix A) indicate that the surface soils in the existing excavation contain elevated levels of PCBs and some metals. The California Administrative Code Title 22, Division 4, Chapter 30, Article 11, Section 66699 has established concentration limits for particular compounds/substances above which the substances being tested are considered to be hazardous.

The California Department of Health Services considers any waste which contains a compound listed in Table 1 to be a hazardous waste if: (1) the total concentration of a particular compound exceeds the Total Threshold Limit Concentration (TTLC) for that compound; or, (2) the extractable concentration

(in mg/l), as determined by a Waste Extraction Test (WET), of any listed compound exceeds the respective Soluble Threshold Limit Concentration (STLC) for that compound. It should be noted that the samples were analyzed only for total concentrations; WET tests were not performed.

Total concentrations in Samples 2 and 3 exceed the TTLC for PCB's (50 mg/kg or ppm) and sample 1 exceeds the STLC for PCB (5mg/l or ppm). Total concentration in Sample 3 also exceeds the TTLC for lead (1,000 mg/kg). Total concentrations in all four samples exceed the STLC, but are less than the TTLC, for barium (100 mg/l), cadmium (1.0 mg/l) and vanadium (24 mg/l). Total concentrations in samples 1, 2 and 4 exceed the STLC, but are less than the TTLC, for copper (25 mg/l) and lead (5.0 mg/l). Total concentration in sample 4 exceeds the STLC, but is less than the TTLC for nickel (20 mg/l) and sample 3 exceeds the STLC, but is less than the TTLC for zinc (250 mg/l).

#### CONCLUSIONS

It is our conclusion that at least some of the soils in the side walls and bottom of the excavation are hazardous because of their PCB and lead concentrations. Hazardous concentrations of barium, cadmium, vanadium, copper, nickel and zinc may exist and could be determined by performing WET tests on the samples.

Our evaluation of the analytical results suggest that a positive correlation exists between stained soils and elevated contaminant concentrations. We believe that stained soils will exhibit detectable contaminant concentrations when analyzed, while clean appearing soils will contain no detectable contaminants. Our recommendations for further assessment, discussed below, are based on this correlation.

#### RECOMMENDATIONS

##### Underground Tank Excavation

Our recommendation is to evaluate the vertical and lateral extent of contamination in the vicinity of the underground tank excavation for the purpose of developing costs for site remediation by excavation and removal of con-

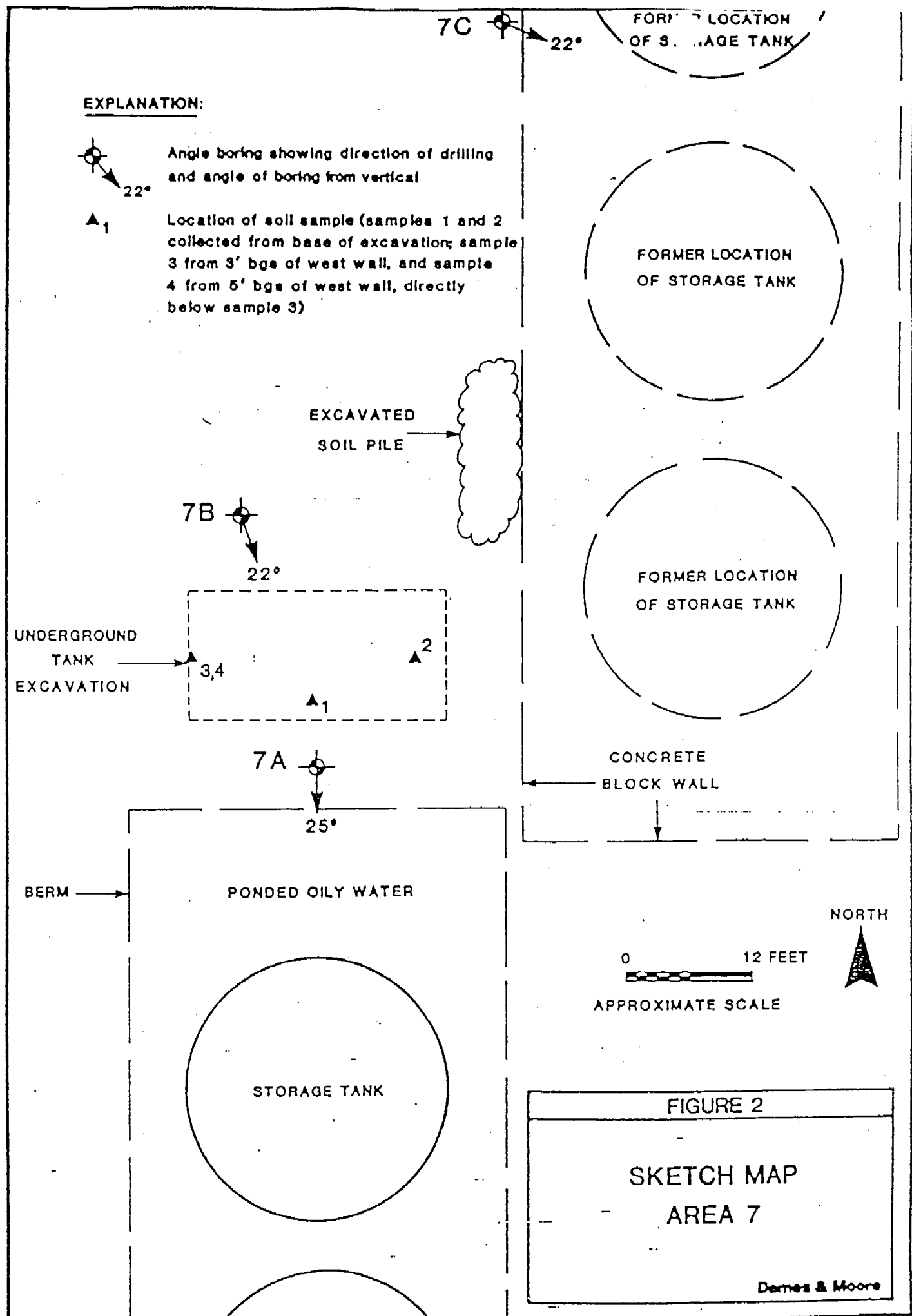


TABLE 1  
SOIL SAMPLES ANALYTICAL RESULTS SUMMARY(1)

CONSTITUENT	SAMPLE AND CONCENTRATION(2)			
	1	2	3	4
PCB-1242	-	58	248	1
PCB-1248	29	-	-	-
Antimony	TR <2(3)	TR <2	TR <2	TR <2
Arsenic	2.63	4.39	1.42	2.50
Barium	190	150	260	190
Beryllium	0.5	0.4	TR <0.3	0.7
Cadmium	3.1	2.1	1.7	3.1
Chromium (total)	26	23	16	30
Cobalt	14	12	6.0	16
Copper	32	38	16	27
Lead	130	54	1100	74
Mercury	0.17	TR <0.1	0.13	0.12
Molybdenum	1.2	1.0	0.7	0.9
Nickel	18	16	10	20
Silver	1.3	1.5	ND <0.3(4)	ND <0.3
Vanadium	63	55	32	74
Zinc	120	100	490	74

(1) Only those constituents detected in at least one of the samples are shown herein (selenium and thallium were not detected in any of the samples).

(2) PCB concentrations are in parts per million (ppm); and metals concentrations are in milligrams per kilogram (mg/kg) which is equivalent to ppm.

(3) The trace less than (TR<) symbol means "trace detected but not at or above the indicated value (detection limit)".

(4) The not detected less than (ND<) symbol means "not present at or above the indicated value (detection limit)".

Dames & Moore  
J. Hals

September 26, 1986  
JN: 38315 - Page 2

Table I

	Milligrams/kilogram			
	<u>13262-013-42-1</u>	<u>13262-013-42-2</u>	<u>13262-013-42-3</u>	<u>13262-013-42-4</u>
Antimony	TR<2	TR<2	TR<2	TR<2
Arsenic	2.63	4.39	1.42	2.50
Barium	190	150	260	190
Beryllium	0.5	0.4	TR<0.3	0.7
Cadmium	3.1	2.1	1.7	3.1
Chromium	26	23	16	30
Cobalt	14	12	6.0	16
Copper	32	38	16	27
Lead	130	54	1100	74
Mercury	0.17	TR<0.1	0.13	0.12
Molybdenum	1.2	1.0	0.7	0.9
Nickel	18	16	10	20
Selenium	ND<0.3	ND<0.3	ND<0.3	ND<0.3
Silver	1.3	1.5	ND<0.3	ND<0.3
Thallium	ND<5	ND<5	ND<5	ND<5
Vanadium	63	55	32	74
Zinc	120	100	490	74

Table II

<u>Sample Identification</u>	<u>Total PCB</u> <u>Micrograms/gram</u>		
	<u>Parts Per million</u>		
		<u>PCB-1242</u>	<u>PCB-1248</u>
13262-013-42-1	29	----	29
13262-013-42-2	58	58	----
13262-013-42-3	248	248	----
13262-013-42-4	1	1	----

ND - This compound was not detected; the limit of detection for this analysis is less than the amount stated in the table above.

TR - Trace, this compound was present, but was below the level at which concentration could be determined.



APPENDIX B

Historical

Borehole Logs, Laboratory Analyses  
and  
Chain-of-Custody Documentation


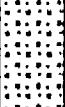
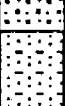
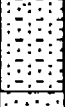
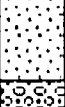






**BOREHOLE LOG**

Project Name: Turner, Santa Fe Springs						
Project No. 6700-P23-03			Borehole No. TSB-2		Sheet 1 of	
Borehole Location Parcel 3, South of tanks				Elevation and Datum:		
Drilling Co. West Hazmat		Driller:		Date Started 10-31-89	Date Finished 10-31-89	
Drilling Equipment: CME-55		Helper:		Total Depth (feet) 20	Depth to Bedrock (feet) N/A	
Drilling Method: 4 inch Hollow Stem Auger				Borehole Diameter: 4 inches		
Drilling Fluid: N/A				Depth to Water	Initial: N/A	Comp. N/A
Completion Information: Backfill w/ native				Logged by: SAA		Checked by:

Depth (feet)	Description	Lithology	Headspace (ppm)	Samples		Remarks
				Number	Blow Count	
0'-3'	Reddish brown silt w/fine sand (80/20), crumbly, dry, odorless		0			Becoming less red ↓
5	Reddish brown compact silt, minor fine sand, dry, odorless			5		
10	Medium brown silt and fine sand (70/30), compact, dry, well sorted, no odor			10		
15	Medium brown fine sand, well sorted, dry, odorless			15		
20	Brownish grey fine sand, well sorted, dry, odorless			20		
25						Total depth 20', dry
30						
35						
40						

## BOREHOLE LOG

Project Name: Turner, Santa Fe Springs						
Project No. 6700-P23-03			Borehole No. Well W-1 (Soil Boring TSB-3)		Sheet 2 of 2	
Depth (feet)	Description	Lithology	Headspace (ppm)	Samples		Remarks
				Number	Blow Count	
50	Light Brown Fine-Medium Sand (50/50), Poorly Sorted, Angular, Moist		6	50		
60	Grey Fine Sand w/Silt (80/20), Moist, Faint Odor		6	60		
70	Greenish Grey Silt w/Clay (60/40), Ductile, Moist		5	70		
80	Grey Silt, Moist		4	80		
85	Grey Sand (Fine-Coarse), (30/30/30/), Well Sorted, Angular, Strong odor, (End Drilling 10-31-89)		5	85		
90	(Begin Drilling 11-1-89) Grey Sand Fine-Medium, Well Sorted, Minor Pebbles, Moist					
100	Grey Sand Fine-Medium, Well Sorted, Minor Pebbles, Moist, No Samples between 100'-130'					
110						
120						
130						
						 121 feet, Water
						Total depth 129'

**BOREHOLE LOG**

Project Name: Turner, Santa Fe Springs						
Project No. 6700-P23-03			Borehole No. TSB-6		Sheet 1 of	
Borehole Location North of 10K tank				Elevation and Datum:		
Drilling Co. West Hazmat		Driller:		Date Started 10-31-89	Date Finished 10-31-89	
Drilling Equipment: CME-55		Helper:		Total Depth (feet) 30	Depth to Bedrock (feet) N/A	
Drilling Method: 4 inch Hollow Stem Auger				Borehole Diameter: 4 inches		
Drilling Fluid: N/A				Depth to Water:	Initial: N/A	Comp. N/A
Completion Information: Backfill w/ native				Logged by: SAA		Checked by:

Depth (feet)	Description	Lithology	Headspace (ppm)	Samples		Remarks
				Number	Blow Count	
5	Red/brown hard pan clay, dense, dry, odorless		0	5		
10	Red/brown silty fine sand (50/50), dry, well sorted strong odor		150	10		
15	Light brown fine-medium sand (50/50), dry, angular strong odor		100	15		
20	Brown silty fine sand (50/50), dry, beach like, slight odor		10	20		
25	Red/brown fine-medium sand (80/20), dry, angular slight odor		5	25		
30	Light brown fine sand, angular, dry, slight odor		1.8	30		
35						Total depth 30', dry
40						

**BOREHOLE LOG**







Project Name: Turner, Santa Fe Springs						
Project No. 6700-P23-03			Borehole No. TMB-1		Sheet 1 of 9	
Borehole Location West of Northern UST				Elevation and Datum:		
Drilling Co. West Hazmat		Driller: Dave		Date Started 11-6-89		Date Finished 11-6-89
Drilling Equipment: CME-55		Helper: Craig		Total Depth (feet) 30		Depth to Bedrock (feet) N/A
Drilling Method: 8 inch Hollow Stem Auger				Borehole Diameter: 8 inches		
Drilling Fluid: N/A				Depth to Water		Initial: N/A Comp. N/A
Completion Information: Backfill with native				Logged by: MIJ		Checked by:

Depth (feet)	Description	Lithology	Headspace (ppm)	Samples		Remarks
				Number	Blow Count	
5	Dark Brown Silt		< .6	5		Background Headspace .6 ppm
10	Light Brown Sandy Silt		< .6	10		
15	Light Brown Silty Fine Sand		< .6	15		
20	Light Brown Silty Fine Sand (poor return, no bag sample)			20		
25	Light Brown Silty Fine-Medium Sand		< .6	25		
30	Light Brown Silty Fine-Medium Sand		< .6	30		
						Total Depth 30', Dry

**BOREHOLE LOG**

Project Name: Turner, Santa Fe Springs						
Project No. 6700-P23-03			Borehole No. TMB-3		Sheet 3 of 9	
Borehole Location By Southern UST				Elevation and Datum:		
Drilling Co. West Hazmat		Driller: Dave		Date Started 11-6-89		Date Finished 11-6-89
Drilling Equipment: CME-55		Helper: Craig		Total Depth (feet) 30		Depth to Bedrock (feet) N/A
Drilling Method: 8 inch Hollow Stem Auger				Borehole Diameter: 8 inches		
Drilling Fluid: N/A				Depth to Water:		Initial: N/A Comp. N/A
Completion Information: Backfill with native				Logged by: MIJ		Checked by:

Depth (feet)	Description	Lithology	Headspace (ppm)	Samples		Remarks
				Number	Blow Count	
5	Dark Brown Sandy Silt		2	5		Background Headspace .6 ppm
10	Dark Brown Clayey Silt		95	10		
15	Greenish Grey and Light Brown Silt		45	15		
20	Greenish Grey and Light Brown Silt		9	20		
25	Greenish Grey and Light Brown Sandy Silt		8.5	25		
30	Mixed Grey, Brown, Opaque Fine-Medium Sand		2	30		Total Depth 30', Dry



# Del Mar Analytical

18102 Sky Park South, Suite F • Irvine, CA 92714  
(714) 261-1022 • FAX (714) 261-1228

TRC Environmental Consultants  
23361 Madero St., Suite 100  
Mission Viejo, CA 92691

Date Sampled: 10/31/89  
Date Received: 11/01/89  
Date Analyzed: 11/02/89  
Date Reported: 11/02/89

Attention: Derek Faulk

Project: 6700-P23-04, Turner-Santa Fe Springs

Analysis: Total Recoverable Petroleum Hydrocarbons:  
Soil Samples

<u>Sample Description</u>	<u>Sample Number</u>	<u>Detection Limits</u> ppm	<u>Sample Results</u> ppm
TSB3-20	9110001	5	N.D.

N.D. = None Detected above stated Detection Limit

This analysis was performed by extracting the sample with Freon 113 and using EPA method 418.1 for hydrocarbon detection (IR absorbtion).

Del Mar Analytical

Gary Steube  
Laboratory Director



# Del Mar Analytical

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TRC Environmental Consultants  
23361 Madero St., Suite 100  
Mission Viejo, CA 92691

Date Sampled: 10/31/89  
Date Received: 11/01/89  
Date Analyzed: 11/01/89  
Date Reported: 11/02/89

Attention: Derek Faulk

Project: 6700-P23-04, Turner-Santa Fe Springs

Analysis: Total Petroleum Hydrocarbons : Soil Samples

<u>Sample Description</u>	<u>Sample Number</u>	<u>Detection Limits</u> ppm	<u>Sample Results</u> ppm
TSB3-35	9110002	5	N.D.

N.D. - None Detected above stated Detection Limit

This analysis was performed using EPA methods 3550 with 8015 for hydrocarbon detection. Method 8015 was modified to meet the specifications of the California LUFT Manual.

Del Mar Analytical

Gary Steube  
Laboratory Director





# Del Mar Analytical

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(714) 261-1022 • FAX (714) 261-1228

TRC Environmental Consultants  
23361 Madero St., Suite 100  
Mission Viejo, CA 92691

Date Sampled: 11/06/89  
Date Received: 11/07/89  
Date Analyzed: 11/08/89  
Date Reported: 11/08/89

Attention: Derek Faulk

Project: 6700-P23-03, Turner-Sante Fe Springs

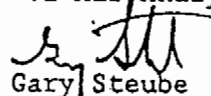
Analysis: Total Petroleum Hydrocarbons: Soil Sample

<u>Sample Description</u>	<u>Sample Number</u>	<u>Detection Limits</u> ppm	<u>Sample Results</u> ppm
TMB-1-20	9110215	1.0	N.D.
TMB-3-10	9110216	1.0	2200
TMB-3-30	9110217	1.0	3.3

N.D. = None Detected above stated Detection Limit

This analysis was performed using EPA methods 5030 with 8015 for hydrocarbon detection. Method 8015 has been modified to meet the specifications of the California LUFT Manual.

Del Mar Analytical



Gary Steube  
Laboratory Director



# Del Mar Analytical

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TRC Environmental Consultants  
23361 Madero St., Suite 100  
Mission Viejo, CA 92691

Date Sampled: 10/31/89  
Date Received: 11/01/89  
Date Analyzed: 11/01/89  
Date Reported: 11/02/89

Attention: Derek Faulk

Project: 6700-P23-04, Turner-Santa Fe Springs

Analysis: Total Hydrocarbons with BTEX distinction:  
Soil Sample


<u>Sample Description</u>	<u>Sample Number</u>	<u>Benzene</u> ppm	<u>Toluene</u> ppm	<u>Ethylbenzene</u> ppm	<u>Xylenes</u> ppm	<u>Total Hydrocarbons</u> ppm
TSB6-10	9110016	0.14	4.4	22	120	1800
TSB6-30	9110017	N.D.	N.D.	N.D.	N.D.	N.D.

Detection Limit	0.05	0.05	0.05	0.05	1.0
-----------------	------	------	------	------	-----

N.D. = None Detected above stated Detection Limit

This analysis was performed using EPA methods 5030 with 8015 for hydrocarbon detection, and 8020 for BTEX detection. Method 8015 has been modified to meet the specifications of the California LUFT Manual.

Del Mar Analytical

  
Gary Steube  
Laboratory Director



# Del Mar Analytical

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TRC Environmental Consultants  
23361 Madero St., Suite 100  
Mission Viejo, CA 92691

Date Sampled: 11/01/89  
Date Received: 11/02/89  
Date Analyzed: 11/03/89  
Date Reported: 11/03/89

Attention: Derek Faulk

Project: 6700-P23-03, Turner-Santa Fe Springs

Analysis: Total Hydrocarbons with BTEX distinction:  
Soil Sample


<u>Sample Description</u>	<u>Sample Number</u>	<u>Benzene</u> ppm	<u>Toluene</u> ppm	<u>Ethylbenzene</u> ppm	<u>Xylenes</u> ppm	<u>Total Hydrocarbons</u> ppm
Excavation 11-7	9110071	N.D.	N.D.	0.08	0.10	N.D.

Detection Limit	0.05	0.05	0.05	0.05	1.0
-----------------	------	------	------	------	-----

N.D. - None Detected above stated Detection Limit

This analysis was performed using EPA methods 5030 with 8015 for hydrocarbon detection, and 8020 for BTEX detection. Method 8015 has been modified to meet the specifications of the California LUFT Manual.

Del Mar Analytical

  
Gary Steube  
Laboratory Director

CHAIN OF CUSTODY RECORD

Page 1 of 2

PROJECT NO. 6700-P23-04		PROJECT NAME Turner Santa Fe Springs					PARAMETERS										WTS 3551		
SAMPLERS: (Signature) Caterina D. Royalty					(Printed) Patricia D. Royalty					REMARKS									
FIELD SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	8240	412.1	8015-High										
75131-5	10/31			\	Parcel 3	1											Hold		
75131-10				\		1													
75131-15				\		1													
75131-20				\		1													
75132-5				\		1													
75132-10				\		1													
75132-15				\		1													
75132-20				\		1													
75133-5				\		1													
75133-10				\		1													
75133-15	↓			\	↓	1											Hold		
75133-20	11/1			\	Parcel 3	1	X										24-Hour		
Relinquished by: (Signature) E. K...		Date / Time 10/31/05		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)									
(Printed) E. K...				(Printed)		(Printed)				(Printed)									
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks											
(Printed)				(Printed) Schindler		11/1/05 8:20													

CHAIN OF CUSTODY RECORD

Page 2 of 2

PROJECT NO.		PROJECT NAME		PARAMETERS										3552			
6700-P23-04		Tanner Santa Fe Springs															
SAMPLERS: (Signature)				(Printed)				REMARKS									
Patricia D. Regalby				Patricia D. Regalby													
FIELD SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	2240	413.1	3015H. JCL								
TSB3-25	10/31				Parcel 3	1											<del>24-hr</del> hold
TSB3-30						1											Hold
TSB3-35						1			X								<del>24-hr</del> 24-hr
TSB3-40						1											Hold
TSB3-50						1											Hold
TSB3-60						1											Hold
TSB3-70						1											Hold
TSB3-80						1											Hold
TSB3-85	11/31				Parcel 3	1	X										24-hr
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)							
Edmund Kim		11/1/85															
(Printed)				(Printed)		(Printed)				(Printed)							
Edmund Kim																	
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks									
				B. Schindler		11/1/85											
(Printed)				(Printed)													
				Schindler													

CHAIN OF CUSTODY RECORD

4 of 4

PROJECT NO. C700-P23-04		PROJECT NAME TURNER SOUTH FE SPRINGS					PARAMETERS										3660				
SAMPLERS: (Signature) <i>[Signature]</i>					(Printed) Scott Harrison, Philip J. Janerek					NO. OF CONTAINERS 418.1 8015-DIESEL 8015/8020										REMARKS * PLEASE HOLD FOR ANALYSIS	
FIELD SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	STATION LOCATION																
TSB-5-80	10/31			X	CENTER AREA, PIPE END					1								80'			
TSB-5-85	10/31			X	CENTER AREA, PIPE END					1								85'			
TSB-6-5	10/31			X	NORTH OF OIL WELL					1								5'			
TSB-6-10	10/31			X	NORTH OF OIL WELL					1			X					10'			
TSB-6-15	10/31			X	NORTH OF OIL WELL					1								15'			
TSB-6-20	10/31			X	NORTH OF OIL WELL					1								20'			
TSB-6-25	10/31			X	NORTH OF OIL WELL					1								25'			
TSB-6-30	10/31			X	NORTH OF OIL WELL					1			X					30'			
Relinquished by: (Signature) <i>[Signature]</i>			Date / Time 11/1/85 10:20		Received by: (Signature)					Relinquished by: (Signature)					Date / Time		Received by: (Signature)				
(Printed) Edward K...					(Printed)					(Printed)							(Printed)				
Relinquished by: (Signature)			Date / Time		Received for Laboratory by: (Signature) <i>[Signature]</i>					Date / Time 11/1/85 10:20		Remarks									
(Printed)					(Printed) Schweller																

## CHAIN OF CUSTODY RECORD

PROJECT NO.		PROJECT NAME		PARAMETERS										5065
SAMPLERS: (Signature)		(Printed)		REMARKS										
FIELD SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	418.1	8080	8240	Gasoline 794 Brix				
TSB-S-90'	11/1	12:30			Turner Soil Boring S - 90'	1								HOLD
TSB S-100'	11/1	12:45			" " " " 100'	1								HOLD
TSB-S-110'	11/1	1:08			" " " " 110'	1		X						24 Hr
Excavation 3-1.5-2'					Excavation 3-1.5-2'	1	X	X						24 Hr
" 3-4.5'	11/1	8:30			" 3-4.5'	1								HOLD
" 8-5'	11/1	11:00			" 8-5'	1								HOLD
" 9-6'	11/1	12:15			" 9-6'	1	X	X						24 Hr
" 9-9'	11/1	12:15			" 9-9'	1								HOLD
" 11-7'	11/1	2:50			" 11-7'	1			X					24 Hr
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)				
(Printed)				(Printed)		(Printed)				(Printed)				
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks						
(Printed)				(Printed)										

PROJECT NO. 6700-P23-03		PROJECT NAME Tomb - Santa Fe Springs					PARAMETERS										3664		
SAMPLERS: (Signature) <i>[Signature]</i>					(Printed) Sample 2 JXGAL					REMARKS									
FIELD SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Gasoline	Diesel	Oil										
TMB-1-1	11-6-89	745		X	West of North St	1											Hold		
TMB-1-15'	"	800		X	"	1											Hold		
TMB-1-15'	"	805		X	"	1											Hold		
TMB-1-20'	"	815		X	"	1	X	X									24 Hr		
TMB-1-25'	"	820		X	"	1											Hold		
TMB-1-30'	"	830		X	"	1											Hold		
TMB-2-5'	"	910		X	West of North St	1											Hold		
TMB-2-10'	"	915		X	"	1											Hold		
TMB-2-15'	"	925		X	"	1			X								24 Hr		
TMB-2-20'	"	930		X	"	1											Hold		
TMB-2-25'	"	935		X	"	1			X								24 Hr		
TMB-2-30'	"	950		X	"	1											Hold		

Relinquished by: (Signature) <i>[Signature]</i>	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
(Printed) JIM S...		(Printed)	(Printed)		(Printed)

Relinquished by: (Signature) <i>[Signature]</i>	Date / Time	Received for Laboratory by: (Signature) <i>[Signature]</i>	Date / Time 11-7-89 10:50	Remarks
(Printed)		(Printed) Schneider		



PROJECT NO. 6704 P2303		PROJECT NAME Turner SFS					PARAMETERS										3656		
SAMPLERS: (Signature) <i>[Signature]</i>					(Printed) M. J. L. Smith					REMARKS									
FIELD SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS													
TMB-5-20'	11-6	210		X	Below RR - Soil	1											24 Hr		
TMB-6-5'	"	230		X	"	1											Hold		
TMB-6-10'	"	235		X	"	1				X							24 Hr		
TMB-6-15'	"	240		X	"	1				X							24 Hr		
TMB-7-5'	"	250		U	"	1											Hold		
TMB-7-10'	"	255		U	"	1				X							24 Hr		
TMB-7-15'	"	305		U	"	1											Hold		
TMB-8-5'	"	325		Y	"	1											Hold		
TMB-8-10'	"	335		X	"	1				X							24 Hr		
TMB-8-15'	"	340		X	"	1											Hold		
TMB-9-5'	"	355		U	"	1				X							24 Hr		
TMB-9-10'	"	400		X	"	1											Hold		

Relinquished by: (Signature) <i>[Signature]</i>		Date / Time		Received by: (Signature) <i>[Signature]</i>		Relinquished by: (Signature) <i>[Signature]</i>		Date / Time		Received by: (Signature) <i>[Signature]</i>	
(Printed)				(Printed)		(Printed)				(Printed)	

Relinquished by: (Signature) <i>[Signature]</i>		Date / Time		Received for Laboratory by: (Signature) <i>[Signature]</i>		Date / Time 11-7-88 1050		Remarks	
(Printed)				(Printed) Schroeder					

APPENDIX C  
Permits for Tank Removals



CITY OF SANTA FE SPRINGS  
FIRE DEPARTMENT  
FIRE ENVIRONMENTAL PROTECTION BUREAU  
11300 GREENSTONE AVE., SANTA FE SPRINGS, CA 90670  
(213) 944-9713

PLAN REVIEW/FIELD INSPECTION/SPECIAL ACTIVITIES APPLICATION

Name of Facility S/E Cor of Bloomfield/Lakeland 11102 Bloomfield  
Project Address 11102 Bloomfield  
Architect/Engineer Playfield & Inc. TDB Building telephone 714-355-5624  
Address 14879 Whittman Ave Fontana, Ca. 92335  
Contractor Playfield & Inc. TDB Building telephone 434-2115  
Address 14879 Whittman Ave Fontana, Ca. 92335  
LICENSED CONTRACTOR DECLARATION:  
I hereby affirm that I am licensed under provisions of Charter 9 (commencing with section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.  
License Class C61 D40 License No. 425319  
Signature James C. Crawford Date 1/31/90

TYPE OF CONSTRUCTION CIRCLE ONE			
NEW	ADD	ALTERATION	REPAIR
CONVERSION		DEMOLISH	OTHER
DESCRIPTION OF WORK			

OWNER BUILDER DECLARATION  
I hereby certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to construction, and hereby authorize representatives of this city to enter upon the above mentioned property for inspection purposes.

Signature \_\_\_\_\_ Date \_\_\_\_\_ City License \_\_\_\_\_

DESCRIPTION	FEE	(V)	DESCRIPTION	FEE
PLAN REVIEW AND FIELD INSPECTIONS			On-site Fire Hydrant System	
Preliminary Plan Review			Drying Ovens	
Fire Alarm Systems			High-Piled Combustible Stock (Racks/Draft Curtains/Hose Racks/Smoke Vents)	
Fire Extinguishing System			Tents and Air Support Structure	
FIRE SPRINKLER SYSTEMS			Mechanical Refrigeration System	
a. Up to 20,000 sq. ft. per floor			Flow Coating Equipment	
b. 20,001 to 50,000 sq. ft. per floor			Tenant Improvements (Structural)	
c. 50,001 to 100,000 sq. ft. per floor			Tenant Improvements (Auto. Sprinklers)	
d. More than 100,000 sq. ft. per floor			Soil Venting Systems	
Flammable/Combustible Liquid Room			Gas Detection System	
Compressed Gas System			Sprinkler System (20 heads or less)	
Flammable/Combustible Liquid Tank (U/G & A/G)			SPECIAL ACTIVITIES AND EVENTS -- ONE TIME PERMITS	
L.P.G. Tanks			Hydrant Flow Request	
Paint Spray Booths			U/G TANK REMOVAL	
Dip Tank		✓	a. First Tank	200
Dust Collection System		✓	b. Each Additional Tank X 3	306
Standpipes (Wet/Dry)			Abandonment/Reabandonment of Oil Wells (Including Capping)	
NEW CONSTRUCTION PLAN REVIEW			Monitoring Wells	
a. Up to 20,000 sq. ft. per floor			Standby Fire Watch	
b. 20,001 to 50,000 sq. ft. per floor			Fire Department Equipment With Crew	
c. 50,001 to 100,000 sq. ft. per floor			Request Inspection	
d. More than 100,000 sq. ft. per floor			Risk Management Prevention Program (RMPP) 4 hour minimum	
Other			Other	

MAKE CHECKS PAYABLE TO THE CITY OF SANTA FE SPRINGS

INSPECTOR Nikifin DATE 1-31-90

TOTAL DUE 500

01-306654

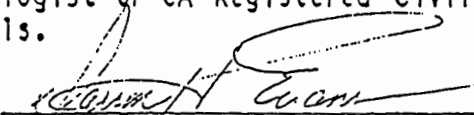
150000\*

LOS ANGELES COUNTY  
DEPARTMENT OF PUBLIC WORKS  
CLOSURE REPORT REQUIREMENTS

A closure report shall be submitted to the Los Angeles County Department of Public Works, Waste Management Division, P.O. Box 1460, Alhambra, CA 91802 containing:

1. File number of facility and closure permit number.
2. Plot plan to scale showing locations of tanks, sampling points, buildings, adjacent streets and north arrow.
3. Description of methods for obtaining, handling and transporting samples.
4. Time and date samples were obtained.
5. If borings were established, boring logs certified by a CA Registered Geologist, CA Certified Engineering Geologist or CA Registered Civil Engineer with sufficient experience in soils.
6. Chain-of-custody documentation initiated by person obtaining sample through person at State Department of Health Services certified laboratory.
7. Disposal destination of tanks and evidence of legal disposal.
8. Analysis results by a State certified laboratory submitted on laboratory letterhead showing analysis date, methods of extraction and methods of analysis.
9. Documentation as to depth of groundwater at facility.
10. Manifests to documentation hazardous waste disposal of any removed soil and rinseate.
11. Any observations of site contamination.
12. Remedial action plan to mitigate contamination.
13. Report to be signed by CA Registered Geologist, CA Certified Engineering Geologist or CA Registered Civil Engineer with sufficient experience in soils.

Signature



Date

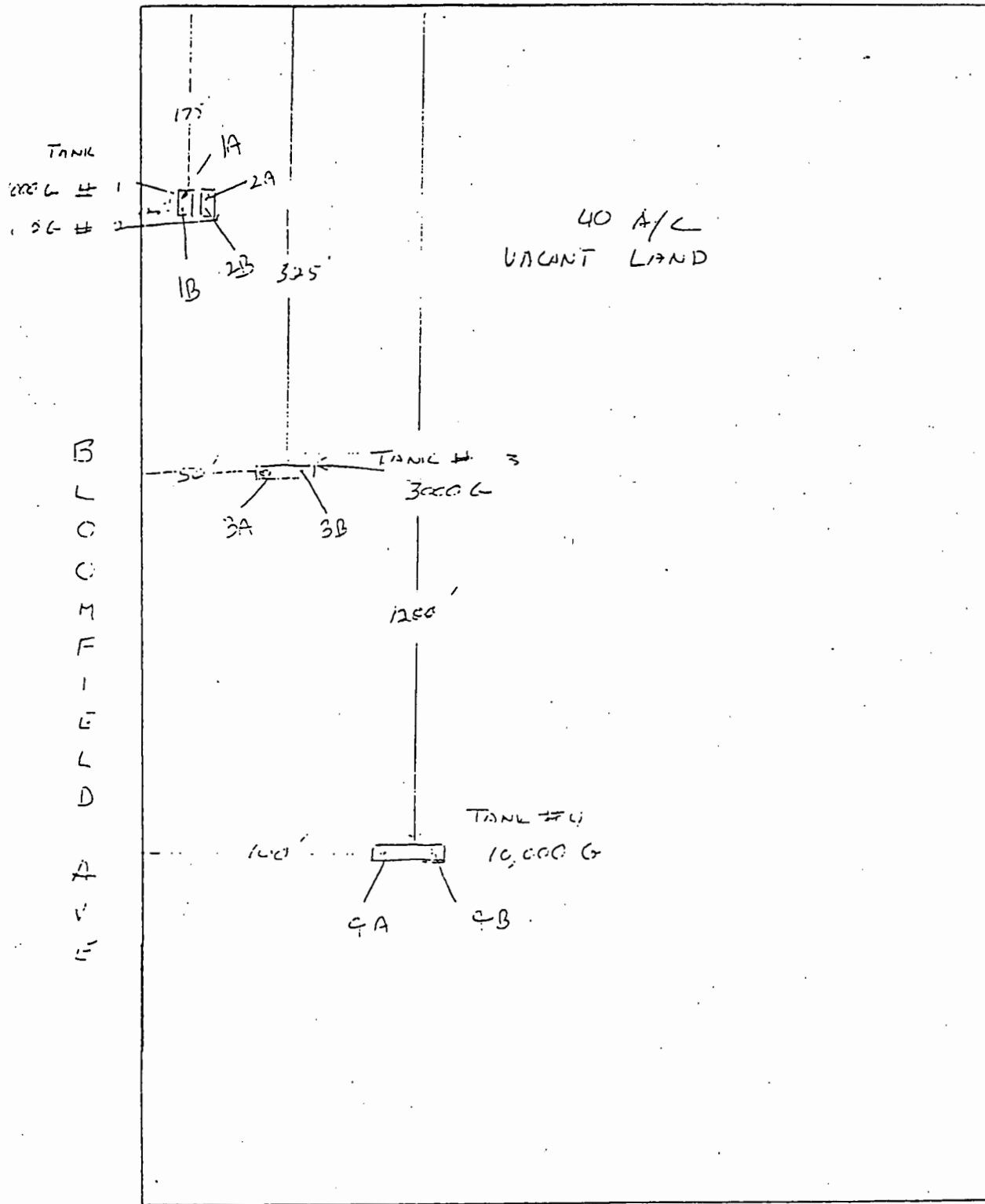
1-25-80

cg2/CLOSURE

Site Assessment regarding our letter dated October 8, 1986 should be addressed to before this site can be considered closed

# LAKELAND ROAD

4



OWNER: George & Marybeth Walker  
P.O. Box 466  
NORWALK, CA

CONTRACTOR  
J.D. BIRDINE & SON INC  
14529 WILLITRAH AVE  
FONTANA, CA  
714-355-5224

SITE  
11102 BLOOMFIELD  
SANTE FE SPRINGS CA